

Fig. 1

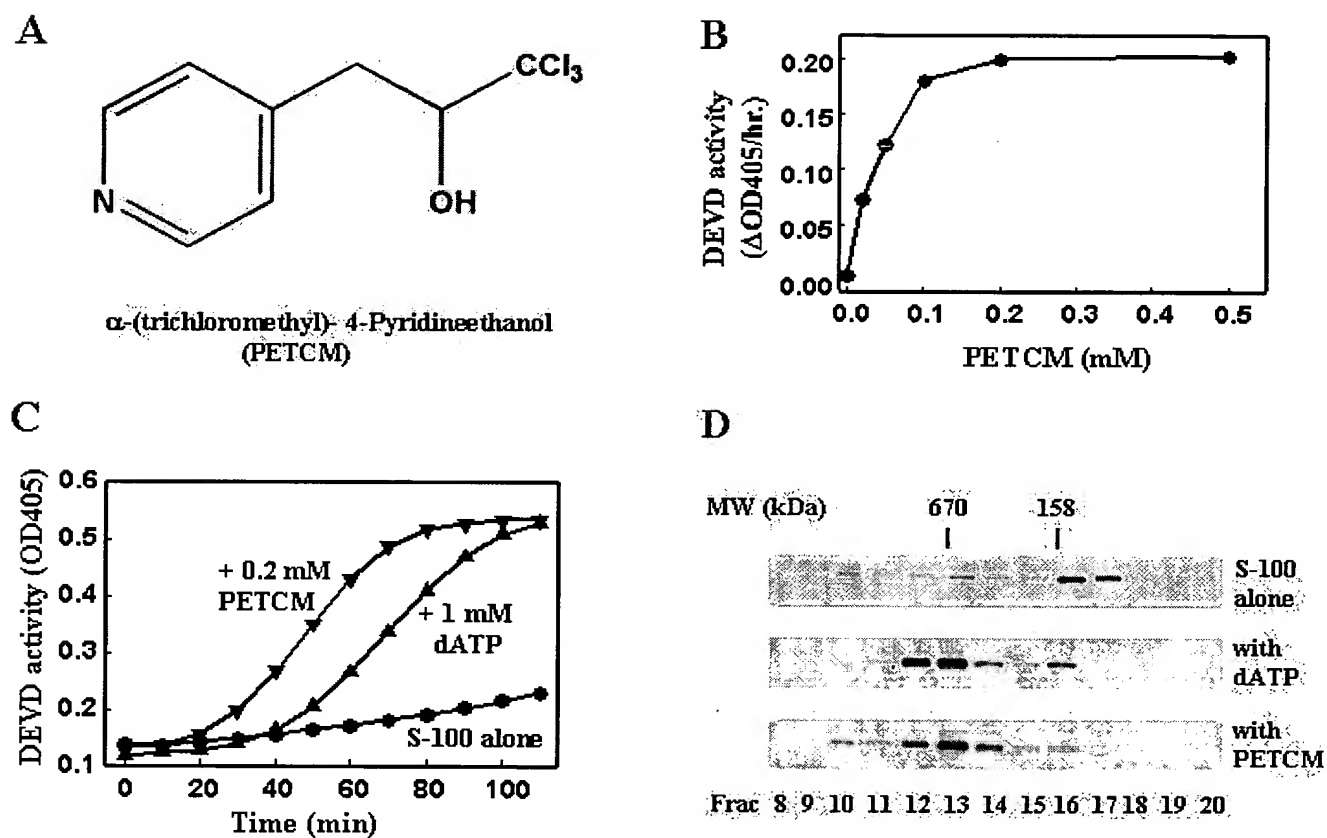
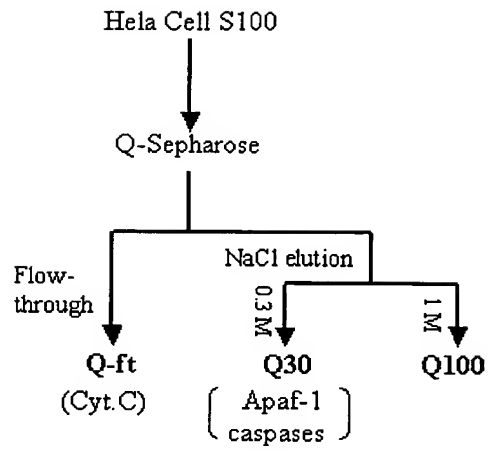


Fig. 2

A



B

PETCM	-	-	-	+	+	+	+	+
dATP ( $\mu$ M)	0	1000	10	0	10	10	10	10
QFT	+	+	+	+	+	-	+	+
Q30	+	+	+	+	+	+	-	+
Q100	+	+	+	+	+	+	+	-
Lane	1	2	3	4	5	6	7	8

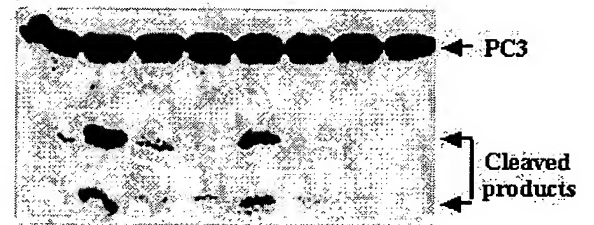
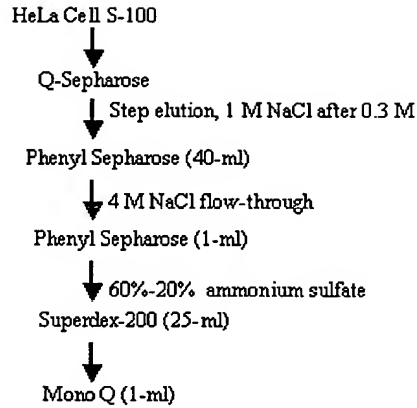


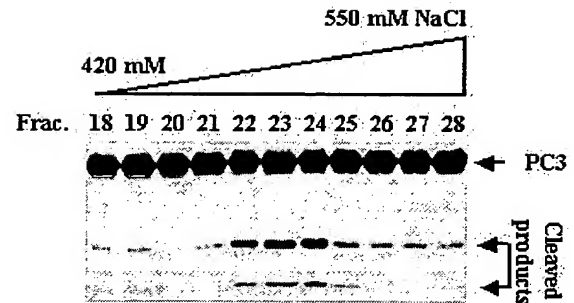
Fig. 3

5

A



B



D 50

PHAPI	1	MEMGRRRIHLELRNRTISGVKELVLDNRSNEGKLEGLTDEHPELEFLGIVNGLTSIANI
PHAPI2a	1	MEMKRRRIHLELRNRTIAVRELVLNDKNSDGKIEGLTAEFVNLEFLSLINVGLISVSNL
PHAPIII	1	MEMKKKINLELRNRSPEVTELVLDNGLCVNGSIEGINLTPKELEFLSANVELSSLARI
PHAPI	55	PKLNKLRKLELSDNRTSSGGLVLAEKCPNLTNLNSGNKIKDLSTPLKKLENLKSLEI
PHAPI2a	61	PKLPKLRKLELSDNRTSSGGLVLAEKCPNLTNLNSGNKIKDLSTPLKKLENLKSLEI
PHAPIII	61	PKLNKLRKLELSDNRTSSGGLVLAEKCPNLTNLNSGNKIKDLSTPLKKLENLKSLEI
PHAPI	60	FNCEVTNLNDYRHNVPKLLPOLTYLDGYDRDDEAPDSDAFGYVEGLDDEEDEFEEFY
PHAPI2a	121	FNCEVTNLNDYRHSVPKLLPOLTYLDGYDRDDEAPDSDAFGYVEGLDDEEDEFEEFY
PHAPIII	121	FNCEVTNLNDYRHSVPKLLPOLTYLDGYDRDDEAPDSDAFGYVEGLDDEEDEFEEFY
PHAPI	65	DEDAFYVE---DEEDDEDEDEGEFEDVSGEEDDEFCYN-----DCSVODE---
PHAPI2a	179	DEDDSGGEEEDDEEDDEDEVEGDEDDVYSEEEEDGLD-----DEDEDED---
PHAPIII	181	DEGVDEDEEDDEEDDEDEDEDEAGSELGCEEEVGLSYLMKEEYQDEDDDDVVEE
PHAPI	70	DEDEELGDEE--RQKKRKREDEDEGDDI-
PHAPI2a	227	DEDEED--EGG--RQKKRKREDEDEGDDI-
PHAPIII	239	DEDEEDDEGG--RQKKRKREDEDEGDDI-

C

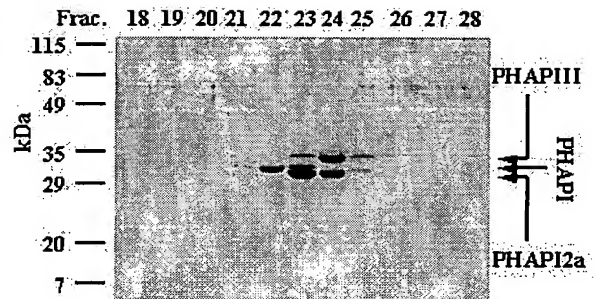


Fig. 4

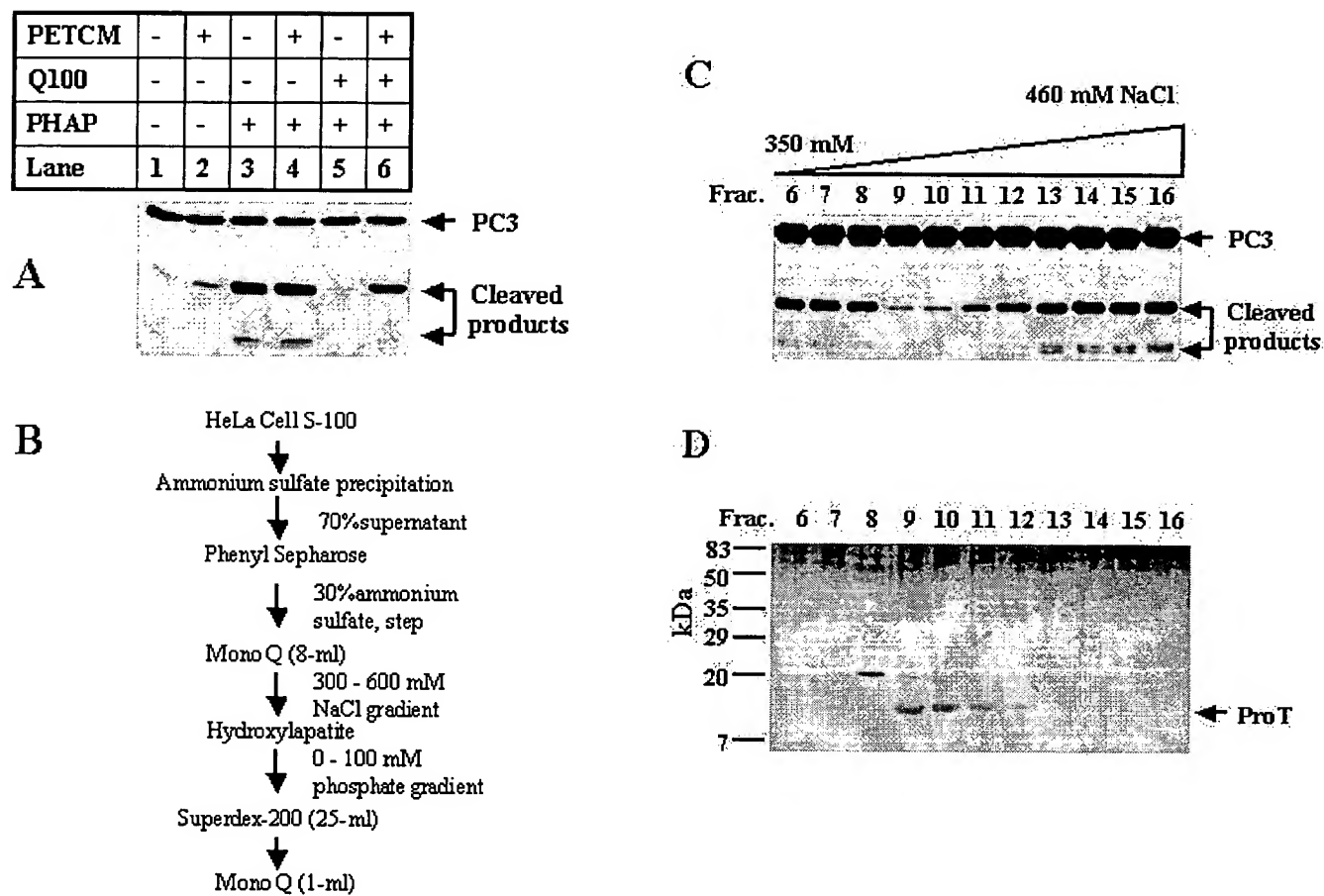


Fig. 5

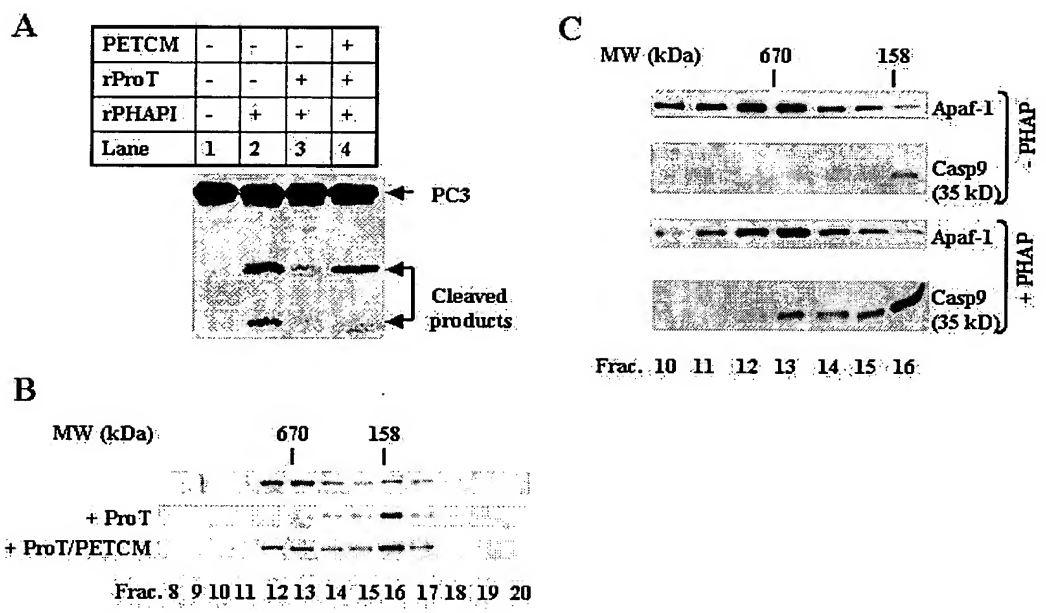


Fig. 6

